

INTEGRATED GENERATOR AND TRANSFORMER AND ASSOCIATED METHODS

Abstract of the Disclosure

An electrical power generating apparatus (20) may include a housing (22), an electrical generator (24) within the housing, and a step-up transformer (30) within the housing and connected to the electrical generator. A turbine (26) may be provided exterior the housing (22) to drive the electrical generator (24). A barrier wall (38) may be provided within the housing and (22) between the electrical generator (24) and the step-up transformer (30), and a fire extinguishing system (40) may be installed within the housing (22). The step-up transformer (30) may be connected to the electrical generator (24) without use of an isolated phase bus.